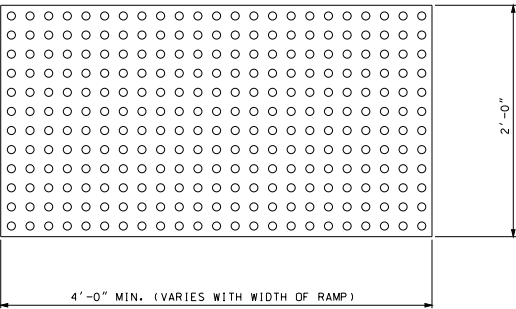
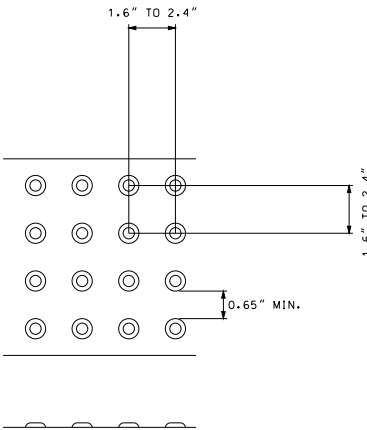


TACTILE WARNING SYSTEMS

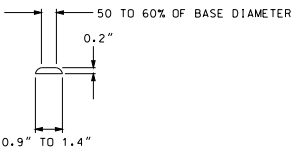
TRUNCATED DOMES



TRUNCATED DOME PLAN VIEW



TRUNCATED DOME SPACING

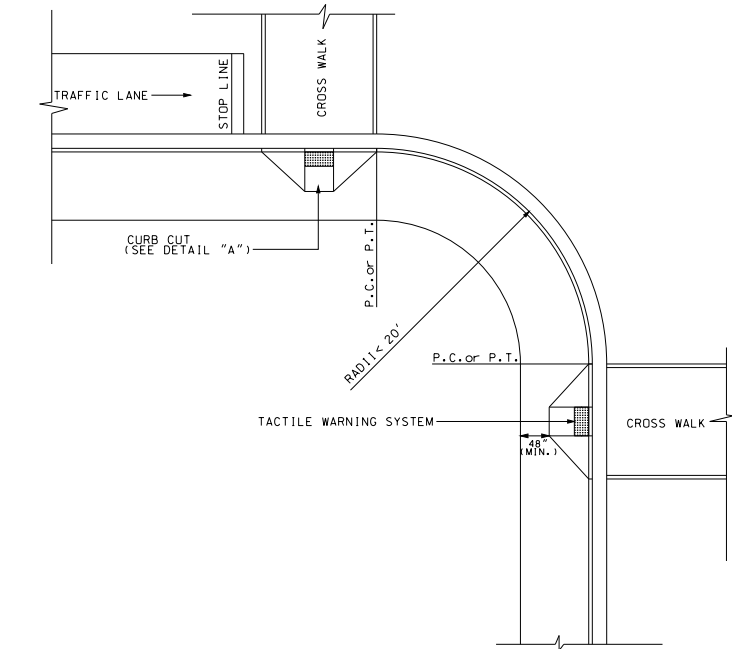


TRUNCATED DOME SECTION

NOTES:

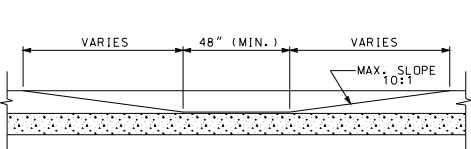
1. WIDTH OF DETECTABLE WARNING AREA SHALL BE A MINIMUM OF 4 FEET AND VARY WITH WIDTH OF RAMP.
2. LENGTH OF DETECTABLE WARNING AREA SHALL BE 2 FEET REGARDLESS OF SECTION WIDTH.
3. TACTILE WARNING SYSTEMS SHALL BE LOCATED AT THE BACK OF CURB.
4. DETECTABLE WARNING DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
5. DETECTABLE WARNING AREA SHALL BE COLORED DARK GRAY OR BLACK IN ALL LOCATIONS.
6. ARMOR-TILE OR ADA SOLUTIONS SURFACE APPLIED TACTILE WARNING SYSTEMS OR AN EQUIVALENT SHALL BE PLACED ON EXISTING CURB CUTS.
7. SURFACE APPLIED SYSTEMS SHALL HAVE BEVELED EDGES TO ELIMINATE TRIP HAZARDS.
8. ARMOR-TILE OR ADA SOLUTIONS TACTILE WARNING CAST-IN-PLACE SYSTEMS OR AN EQUIVALENT SHALL BE USED IN THE CONSTRUCTION OF NEW CURB CUTS.

CURB CUT DETAILS

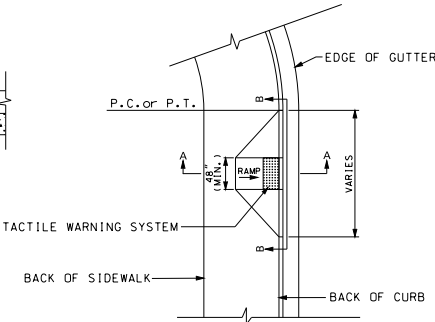


TANGENT PLAN VIEW

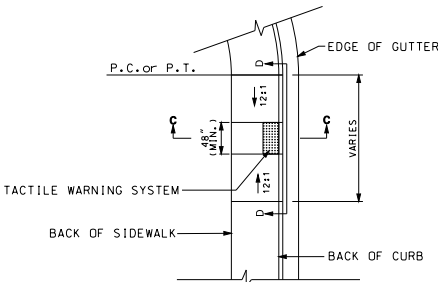
1. SIDEWALK WIDTH $\geq 10'$ SEE DETAIL A
2. SIDEWALK WIDTH $< 10'$ SEE DETAIL B
3. FOR $RADI\leq 20'$ SEE TANGENT PLAN VIEW FOR CURB CUT LOCATIONS
4. FOR $RADI\geq 20'$ SEE RADIUS PLAN VIEW OR TANGENT PLAN VIEW FOR CURB CUT LOCATIONS



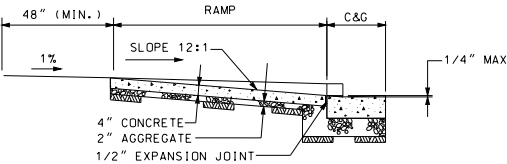
SECTION B-B



DETAIL A



DETAIL B

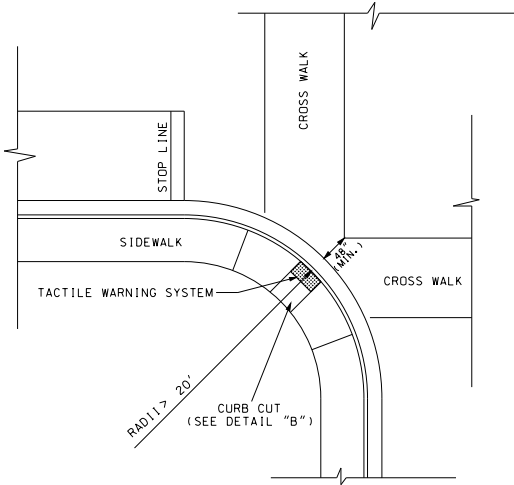


SECTION A-A

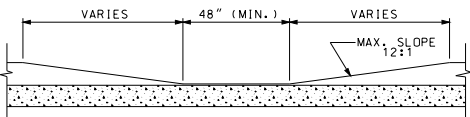
NOTES:

1. DETAILS SHOWN ON THIS PLAN APPLY TO ALL CONSTRUCTION OR RECONSTRUCTION OF STREETS, CURBS OR SIDEWALKS.
2. CURB CUT RAMPS ARE TO BE LOCATED AS SHOWN ON THE PLANS.
3. RAMPS SHALL BE PROVIDED AT ALL CORNERS OF STREET INTERSECTIONS AND ALLEYS WHERE THERE IS EXISTING OR PROPOSED SIDEWALK AND CURB.
4. SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY A COARSE BROOMING, TRANSVERSE TO THE SLOPE OF THE RAMPS.
5. CARE SHALL BE TAKEN TO ENSURE A UNIFORM GRADE ON THE RAMP, FREE OF SAGS AND SHORT GRADE CHANGES.
6. DRAINAGE STRUCTURES SHALL NOT BE PLACED IN LINE WITH RAMPS.
7. THE NORMAL GUTTER LINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.
8. CROSSWALK AND STOPLINE MARKINGS, IF USED, SHALL BE SO LOCATED AS TO STOP TRAFFIC SHORT OF RAMP CROSSINGS.
9. COST OF THE LOWERED CURB AND GUTTER TO BE INCLUDED IN THE UNIT PRICE OF CONCRETE COMBINED CURB & GUTTER OR CONCRETE CURB.
10. COST OF THE CONCRETE RAMP TO BE INCLUDED IN THE UNIT PRICE OF CONCRETE SIDEWALK.

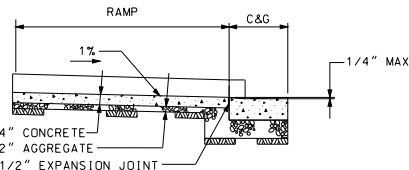
REVISIONS				
No.	DATE	BY	BRIEF DESCRIPTION	
1	9-8-06	RLT	CHANGE NOTES	
2	01-20-11	JHC	CHANGE SIDEWALK CROSS SLOPE	



RADIUS PLAN VIEW



SECTION D-D



SECTION C-C

CITY OF KNOXVILLE
DEPARTMENT OF ENGINEERING

STANDARD DETAIL FOR
CURB CUTS AND
TACTILE WARNING SYSTEMS

DRAWN: RW
DESIGNED: RLT
DATE: 9-SEPT-04
CHECKED: RLT
APPROVED: DTH